

## METHOD AND APPARATUS FOR TREFINATING BODY VESSELS AND HOLLOW ORGAN WALLS

### Abstract of the Disclosure

A system is disclosed for creating a hole in a body  
5 vessel or hollow organ. Such holes are useful in  
surgically preparing the hollow organ or body vessel for  
connection with another hollow organ, body vessel or  
prosthetic conduit. For example, an assist device is  
generally connected to the left ventricle through a  
10 ventriculotomy created at the apex of the left ventricle.  
This ventriculotomy is most easily created with a punch or  
trephine. Control over such a procedure must be precise so  
as not to damage the ventricular wall or intracardiac  
structures such as papillary muscles, chordae tendinae,  
15 etc. The punch of the current invention allows for precise  
location and alignment of the cutting segment. The punch  
of the current invention also allows for precise advance of  
the cutting blade and a very clean cut of the tissue. Such  
clean cuts improve the healing when the hole in the body  
20 vessel or hollow organ is closed or attached to a  
connection, either prosthetic or natural.